

CAS ONLINE PRINTOUT (09/904,616)

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L1 STRUCTURE uploaded

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L3 6 S L1 FUL

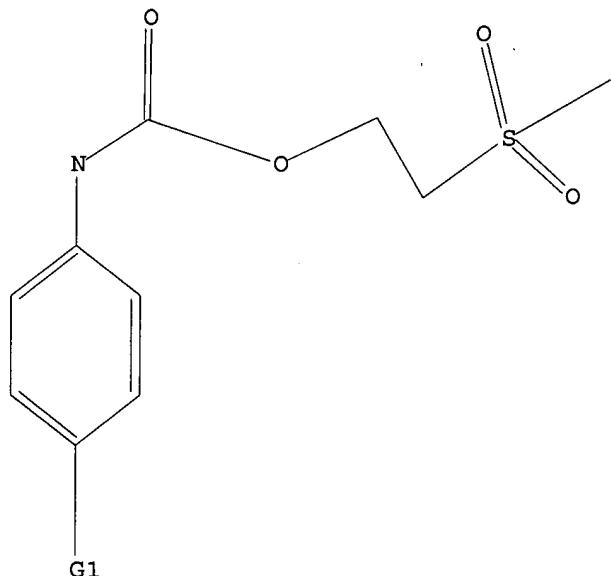
FILE 'CAPLUS' ENTERED AT 10:03:07 ON 09 OCT 2001

L4 4 S L3

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 OH,N

Structure attributes must be viewed using STN Express query preparation.

=> d bib abs hitstr 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2001 ACS

AN 2001:488714 CAPLUS

DN 135:84234

TI Heat-developable color photographic film comprising a blocked
photographically useful compound

IN Slusarek, Wojciech K.; Yang, Xiqiang; Irving, Mark E.; Levy, David H.;
Mooberry, Jared B.; Seifert, James J.; Reynolds, James H.; Irving, Lyn M.

PA Eastman Kodak Company, USA

SO Eur. Pat. Appl., 61 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|-------|----------|-----------------|----------|
| ----- | ----- | ----- | ----- | ----- |
| PI EP 1113326 | A2 | 20010704 | EP 2000-311241 | 20001215 |

CAS ONLINE PRINTOUT (09/904,616)

EP 1113326 A3 20010829
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 CN 1301990 A 20010704 CN 2000-135984 20001215
 JP 2001242605 A2 20010907 JP 2000-382141 20001215

PRAI US 1999-475703 A 19991230
 US 2000-614035 A 20000711

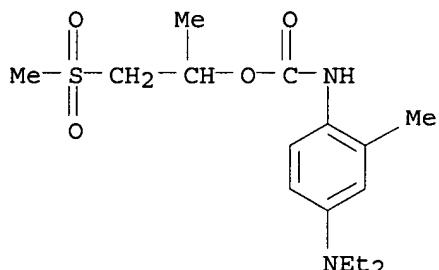
AB This invention relates to a light sensitive photog. element comprising a support and imaging layer having assocd. with a compd. defined in the claims. The invention relates to a blocked compd. that decomp. by a 1,2-elimination mechanism to release a photog. useful group on thermal activation. In a preferred embodiment the photog. useful group is a developer.

IT 340774-60-9P

RL: PEP (Physical, engineering or chemical process); PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses)
 (developer; heat-developable color photog. element comprising blocked developer)

RN 340774-60-9 CAPLUS

CN Carbamic acid, [4-(diethylamino)-2-methylphenyl]-, 1-methyl-2-(methylsulfonyl)ethyl ester (9CI) (CA INDEX NAME)



IT 340774-62-1 340774-63-2 347837-66-5

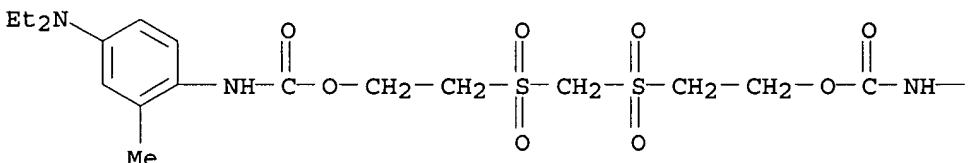
347837-67-6

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (developer; heat-developable color photog. element comprising blocked developer)

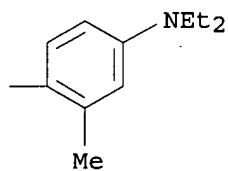
RN 340774-62-1 CAPLUS

CN Carbamic acid, [4-(diethylamino)-2-methylphenyl]-, methylenebis(sulfonyl-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A



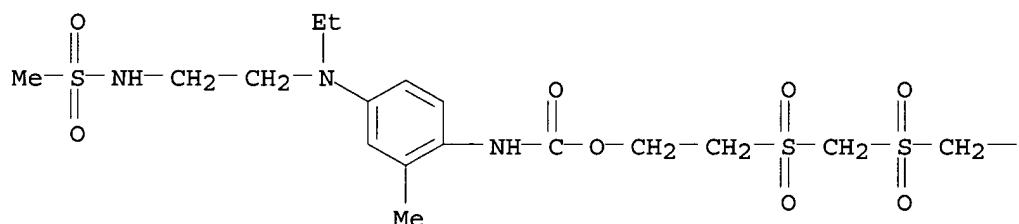
PAGE 1-B



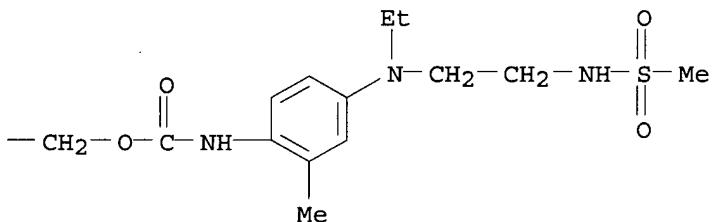
RN 340774-63-2 CAPLUS

CN Carbamic acid, [4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]-, methylenebis(sulfonyl-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)

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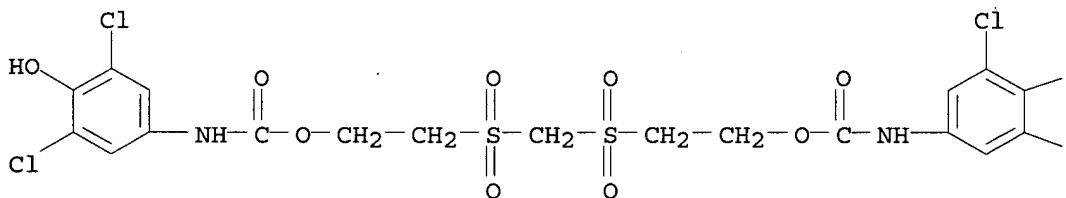
PAGE 1-B



RN 347837-66-5 CAPLUS

CN Carbamic acid, (3,5-dichloro-4-hydroxyphenyl)-, methylenebis(sulfonyl-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)

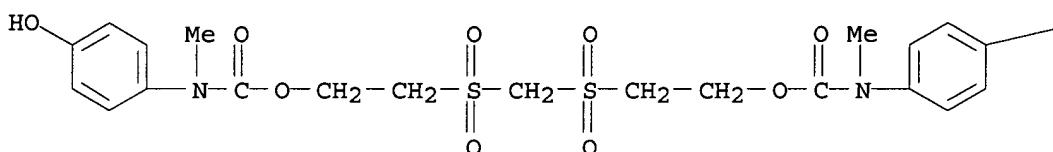
PAGE 1-A



---OH

- 5 -

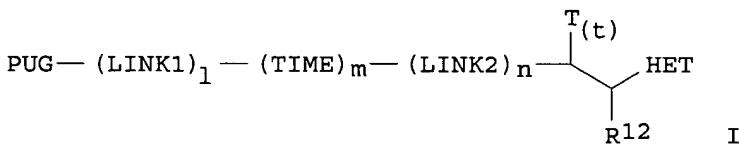
RN 347837-67-6 CAPLUS
CN Carbamic acid, (4-hydroxyphenyl)methyl-, methylenebis(sulfonyl-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)



$$-\text{OH}$$

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2001 ACS
 AN 2001:488711 CAPLUS
 DN 135:99778
 TI Imaging element containing a blocked photographically useful compound
 IN Owczarczyk, Zbyslaw R.; Yang, Xiqiang; Southby, David T.
 PA Eastman Kodak Company, USA
 SO Eur. Pat. Appl., 50 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | EP 1113323 | A2 | 20010704 | EP 2000-311237 | 20001215 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT | | | | |
| | IE, SI, LT, LV, FI, RO | | | | |
| | CN 1301991 | A | 20010704 | CN 2000-135985 | 20001215 |
| | JP 2001194759 | A2 | 20010719 | JP 2000-381630 | 20001215 |
| PRAI | US 1999-476234 | A | 19991230 | | |
| OS | MARPAT 135:99778 | | | | |
| GI | | | | | |



AB The invention relates to an imaging element contg. a blocked photoq.

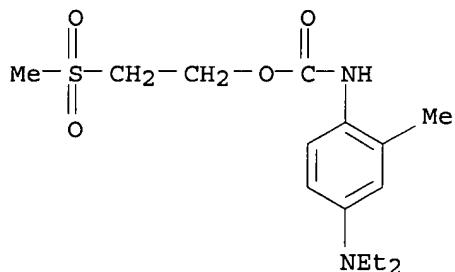
useful developer. The invention comprises an imaging element comprising an imaging layer having assocd. therewith a compd. of structure (I) where PUG is a photog. useful group; LINK 1 and LINK 2 are linking groups; TIME is a timing group; T = t independently selected alkyl or aryl groups, t is 0, 1, or 2 and if t is 2, the T groups can form a ring; HET is a heterocyclic group which optionally can form a ring with a T group; R12 is H, alkyl or aryl, or R12 can form a ring with a T group or with HET; 1 is 0 or 1; m is 0, 1, or 2; and n is 0 or 1. The invention also relates to a method of image formation comprising steps of (a) thermally developing an imagewise exposed imaging element, (b) scanning said developed image to form a first electronic image from said developed image, (c) digitizing said first electronic record to form a digital image, (d) modifying said digital image to form a second electronic image, and (d) storing, transmitting, printing or displaying said second electronic image.

IT 347839-29-6

RL: NUU (Nonbiological use, unclassified); TEM (Technical or engineered material use); USES (Uses)
(imaging element contg. blocked photog. useful developer)

RN 347839-29-6 CAPLUS

CN Carbamic acid, [4-(diethylamino)-2-methylphenyl]-, 2-(methylsulfonyl)ethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2001 ACS

AN 2001:488707 CAPLUS

DN 135:84229

TI Color photothermographic imaging element containing a blocked photographic developer

IN Slusarek, Wojciech K.; Yang, Xiqiang; Irving, Mark E.; Levy, David H.; Mooberry, Jared B.; Seifert, James J.; Reynolds, James H.; Irving, Lyn M.

PA Eastman Kodak Company, USA

SO Eur. Pat. Appl., 57 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|--|------|----------|-----------------|----------|
| PI | EP 1113316 | A2 | 20010704 | EP 2000-311239 | 20001215 |
| | EP 1113316 | A3 | 20010829 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | | |
| | CN 1301990 | A | 20010704 | CN 2000-135984 | 20001215 |
| | JP 2001242605 | A2 | 20010907 | JP 2000-382141 | 20001215 |
| PRAI | US 1999-475703 | A | 19991230 | | |
| | US 2000-614035 | A | 20000711 | | |
| AB | This invention is a color photothermog. element comprising blue, green, and red recording units, each unit comprising a light sensitive silver halide emulsion, a blocked developing agent, and a silver salt of | | | | |

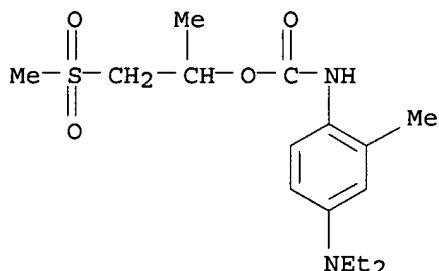
1-phenyl-5-mercaptop-tetrazole. The photothermog. element can also contain silver benzotriazole as an org. silver salt oxidizing agent. Another embodiment of the invention is a color photothermog. element comprising blue, green, and red recording units, each of the units comprising at least one light-sensitive silver halide emulsion, a dye image-forming coupler, a blocked developer, and salicylanilide. The developer is released upon application of heat after exposure of the photothermog. element. The dye forming coupler forms an image dye upon reaction of said coupler with the oxidn. product of the unblocked developing agent. The presence of salicylanilide is believed to provide improved image dye formation in the color photothermog. element of the invention.

IT 340774-60-9P

RL: PEP (Physical, engineering or chemical process); PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses)
(developer; color photothermog. imaging element contg. blocked photog. developer)

RN 340774-60-9 CAPLUS

CN Carbamic acid, [4-(diethylamino)-2-methylphenyl]-, 1-methyl-2-(methylsulfonyl)ethyl ester (9CI) (CA INDEX NAME)



IT 340774-62-1 340774-63-2 347837-66-5

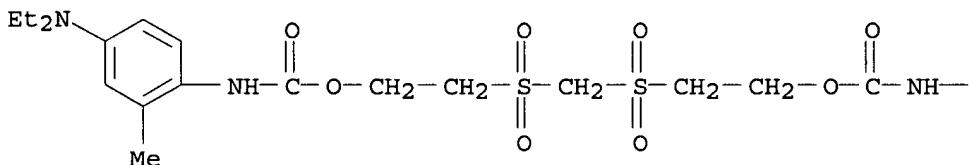
347837-67-6

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(developer; color photothermog. imaging element contg. blocked photog. developer)

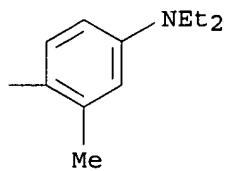
RN 340774-62-1 CAPLUS

CN Carbamic acid, [4-(diethylamino)-2-methylphenyl]-, methylenebis(sulfonyl-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A



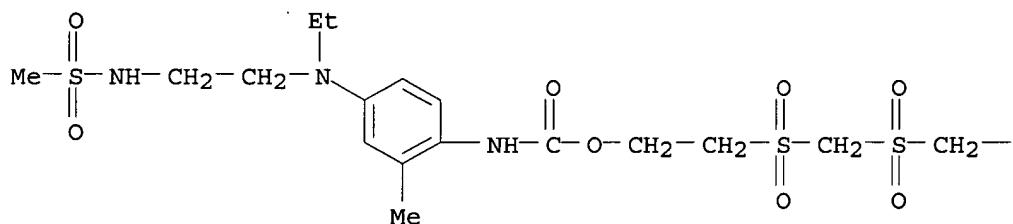
PAGE 1-B



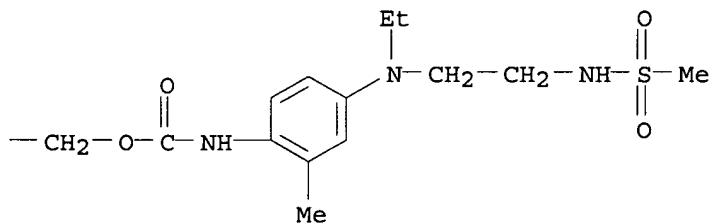
RN 340774-63-2 CAPLUS

CN Carbamic acid, [4-[ethyl[2-[(methylsulfonyl)aminoethyl]amino]-2-methylphenyl]-, methylenebis(sulfonyl-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A



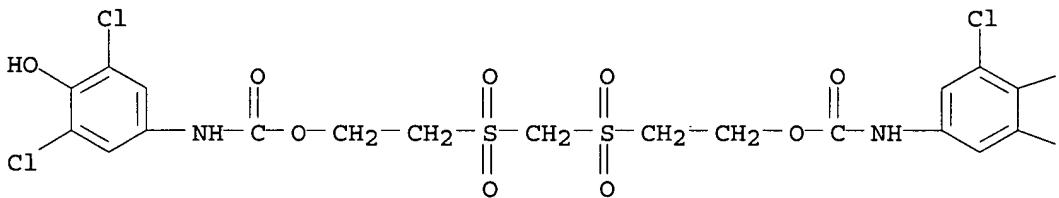
PAGE 1-B



RN 347837-66-5 CAPLUS

CN Carbamic acid, (3,5-dichloro-4-hydroxyphenyl)-, methylenebis(sulfonyl-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)

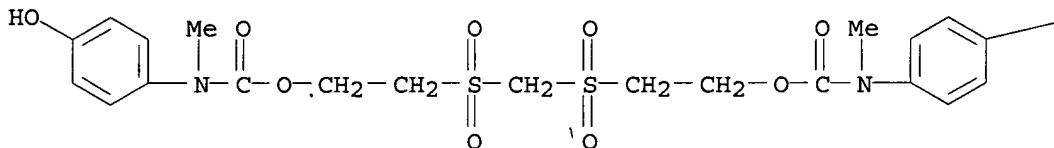
PAGE 1-A



-OH-Cl

RN 347837-67-6 CAPLUS

CN Carbamic acid, (4-hydroxyphenyl)methyl-, methylenebis(sulfonyl-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)

-OH

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2001 ACS

AN 2001:407970 CAPLUS

DN 135:12044

TI Packaged color photographic film comprising a blocked phenyldiamine chromogenic developer

IN Irving, Mark E.; Szajewski, Richard P.; Irving, Lyn M.

PA Eastman Kodak Company, USA.

SO U.S., 38 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | US 6242166 | B1 | 20010605 | US 1999-475510 | 19991230 |
| | WO 2001050195 | A1 | 20010712 | WO 2000-US34791 | 20001220 |
| | W: AU, BR, CA, CN, IL, IN, JP, KR, MX, NZ, RU, SG, ZA RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR | | | | |
| PRAI | US 2001024771 | A1 | 20010927 | US 2001-758577 | 20010111 |
| OS | US 1999-475510 | A | 19991230 | | |
| AB | This invention relates to packaged photog. film that is capable of being alternately processed, according to individual consumer choice, by either (a) a traditional wet-chem. process with a phenylenediamine-contg. developer soln. followed by de-silvering in .gtoreq.1 subsequent solns. to obtain a color neg. film, or (b) a thermal process involving the use of a relatively minor amt. of an aq. soln. contg. a liberating agent such as alk. base to activate (unblock) a blocked phenylenediamine developing agent located within the photog. element, followed by electronic scanning of the developed film without de-silvering. This invention enables a single film stock to be developed in both a conventional deep tank process | | | | |

CAS ONLINE PRINTOUT (09/904,616)

and in an apparently dry process.

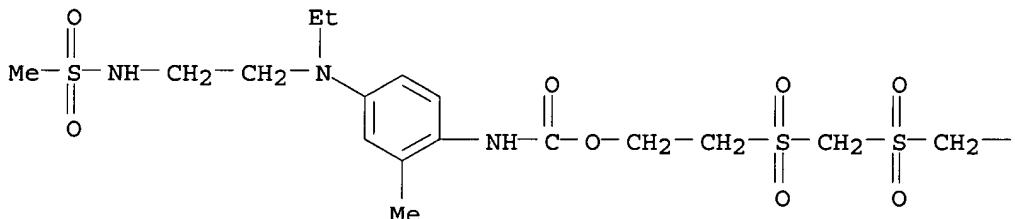
IT 340774-63-2

RL: NUU (Nonbiological use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (packaged color photog. film comprising blocked phenylenediamine chromogenic developer)

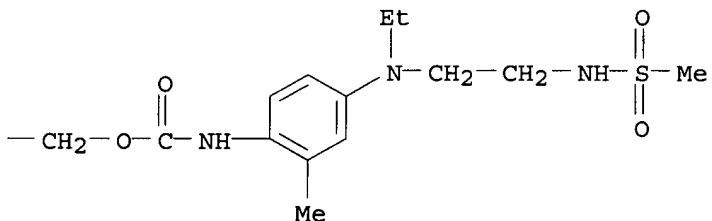
RN 340774-63-2 CAPLUS

CN Carbamic acid, [4-[ethyl[2-[(methylsulfonyl)aminoethyl]amino]-2-methylphenyl]-, methylenebis(sulfonyl-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)

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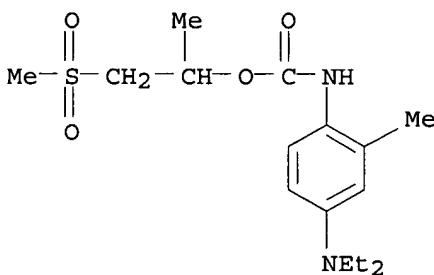


IT 340774-60-9P 340774-62-1P

RL: PNU (Preparation, unclassified); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (synthesis of blocked phenylenediamine chromogenic developer for packaged color photog. film)

RN 340774-60-9 CAPLUS

CN Carbamic acid, [4-(diethylamino)-2-methylphenyl]-, 1-methyl-2-(methylsulfonyl)ethyl ester (9CI) (CA INDEX NAME)

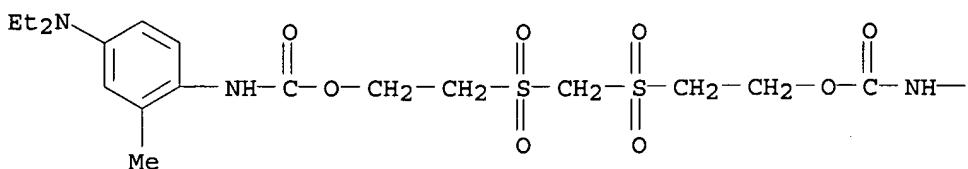


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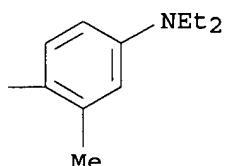
CN Carbamic acid, [4-(diethylamino)-2-methylphenyl]-, methylenebis(sulfonyl-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)

CAS ONLINE PRINTOUT (09/904,616)

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RE.CNT 8

RE

- (1) Anon; EP 0762201 A1 1997 CAPLUS
- (3) Hamaoka; US 4157915 1979 CAPLUS
- (4) Matsumoto; US 6030755 2000 CAPLUS
- (5) Nakagawa; US 5989789 1999 CAPLUS
- (6) Sato; US 4789623 1988 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

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